

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
William F. Howard, et al.

Serial No.: 10/648,815

Confirmation No.: 4562

Filed: August 26, 2003

For: WELLBORE PUMPING  
WITH IMPROVED  
TEMPERATURE  
PERFORMANCE

Group Art Unit: 3672

Examiner: Matthew J. Smith

Customer No. 36735

MAIL STOP AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**SECOND RESPONSE TO FINAL OFFICE ACTION DATED OCTOBER 24, 2006**

In response to the Final Office Action dated October 24, 2006, having a shortened statutory period for response set to expire on January 24, 2007, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although Applicants believe that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/WEAT/0313/WBP, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.